

LEVITON lumina™ RF 10A RELAY SWITCH

Cat. No. ZSS10-NAZ

Rating: 120-277VAC, 50/60Hz,

Incandescent: 800W @ 120V - Ballast: 1200VA @ 120V, 2700VA @ 277V - Motor: 1/4HP @ 120V



DI-XXX-ZSS10-00A

INSTALLATION AND QUICK START SHEET

ENGLISH

WARNINGS AND CAUTIONS

- **TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER** at circuit breaker or fuse and test that power is off before wiring!
- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, consult an electrician.

For the following models:

ZSS10-NAZ:

- 10A robust/commercial mechanical latching relay to handle high inrush (LED) and large loads.
- Utilizes Leviton lumina™ RF technology to communicate with other lumina™ RF wireless compatible products.

NOTES

- Requires a neutral (white) connection wire.
- Requires lumina™ gateway for programming and control communication to other devices.

Leviton lumina™ RF Wall Switch Overview

Leviton's lumina™ RF components are designed to communicate with each other via 2.4GHz Radio Frequency (RF) to provide remote control of your lighting. Each module in Leviton's lumina™ RF component line is designed to act as a router. These routers will re-transmit the RF signal from one device to another until the intended device is reached. This ensures that the signal is received by its intended device by routing the signal around obstacles and radio dead spots.

WIRING INSTRUCTIONS

The Leviton lumina™ RF Wall Switch is wired directly to the load and utilizes a mechanical latching relay for power switching control from the Decora® rocker. When multiple wall switches are controlling the same load, the following wiring instructions apply to each wall switch and the multi-location load control is completed through programming via the Leviton lumina™ gateway. A gateway is required for all lumina™ RF Wall Switches control programming, please refer to the lumina™ gateway user manual for details.

NOTES:

1. Refer to **Figure 1** to determine the wire colors for each connection.
2. Leviton lumina™ RF Wall Switch requires a neutral (white) connection.
3. Wiring Connections:
 - a. Connect the Load (blue) wire to the lighting load.
 - b. Connect the Neutral (white) wire to the neutral supply.
 - c. Connect the Line (black) wire to either phase of the 120-277V supply.The Line (black) wire must be accessible for the installation of any additional switches.

Installation Procedure

1. Be sure that all power to the load has been disconnected by turning off the circuit breaker.
2. If applicable, remove the faceplate from the existing wall switch, remove the existing wall switch from the wall box, and disconnect the wires from the existing wall switch. Identify the "Line", "Neutral", "Load" and "Traveler" (if applicable) wires.
NOTE: Traveler wire is not required for multi-location load control, firmly attach wire connector and tuck into wall box.
3. Remove 3/4" of insulation from each of the wires on the Leviton lumina™ RF Wall Switch. Install the Leviton lumina™ RF Wall switch by connecting wires per wiring configuration (**see Figure 3**).
4. After all connections have been made, be certain that all wire connectors are firmly attached and there is no exposed copper.
5. Gently place the wires and Leviton lumina™ RF Wall Switch into the wall box with the LED at the top of device. Using the supplied screws, attach the Leviton lumina™ RF Wall Switch to the wall box.
6. Before installing the faceplate, restore power to the circuit, and verify LED, switch On/Off operation.
7. After testing the Leviton lumina™ RF Wall Switch and Multi-location Switches for proper local operation (**see Table 1**), install a Decora® faceplate over each switch.

Changing Switch Color

The color of the Leviton lumina™ RF Wall Switch may be changed to complement the interior décor. The Leviton lumina™ RF Wall Switch is supplied with a white, ivory and light almond switch plate. Additional colors are available; contact your Leviton distributor for more information. When changing the switch plate, make sure that the switch is disconnected from all power, and proceed as follows:

1. Push in side at tab to release (**see Figure 2**).
2. Line up and press in side to attach (**see Figure 2**).

Leviton 10A RELAY SWITCH OPERATION

Local Rocker Switch Operation

The Leviton 10A Relay Switch has a rocker switch that can be used to control the load (**see Table 1**).

LED Indicator

The Leviton lumina™ RF Wall switch comes equipped with a LED indicator that is normally lit to green when the load is off. The LED is off when the load is on.

Setup Mode for Controls Communication

Configure the Leviton lumina™ RF Wall Switch using a lumina™ gateway with a PC running the lumina™ RF smart configuration software (see configuration videos and software for detailed radio frequency pairing and control programming online at www.leviton.com/luminarf). The device must be in Network Enrollment mode while the lumina™ gateway is searching for new devices to Enroll.

WARNINGS AND CAUTIONS

- This product must be installed in a suitable junction box or equivalent enclosure.
- Use this device with **copper or copper-clad wire only**.
- For indoor use only.
- **SAVE THESE INSTRUCTIONS.**

Figure 1 - Leviton lumina™ RF Wall Switch

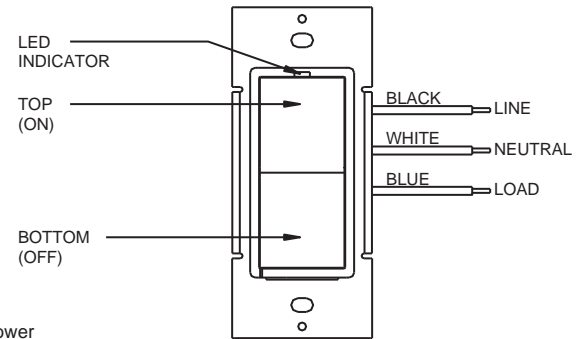


Figure 2 – Changing Switch Color

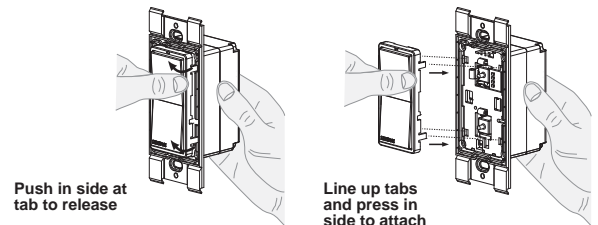


Figure 3 - Wiring

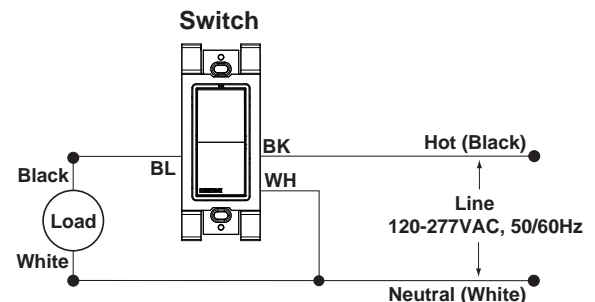


Table 1 -

Leviton lumina™ RF 10A Relay Switch Local Operation

Rocker Event	Top Rocker	Bottom Rocker
Single-Tap	Load turns on.	Load turns off.

Table 2 - Operation Modes - Defined

Mode/ Blink(s)	Operation
1	Enroll - Allows device to enroll in a network.
2	Identify - The device will announce itself to other devices on the network. (FUTURE USE)
3	Pairing - Will initiate a search for compatible devices that are in Identify Mode. (FUTURE USE)
4	LED Operation - Allows the device to enable/disable all LED operations.
5	Reset to Factory Default - Resets device to Factory Default settings.

SPECIFICATIONS

Number	ZSS10-NAZ
LED, Incandescent, Inductive, and Fluorescent Loads	Yes
Motor-Operated Appliances	Yes
Current Maximum	10A
Connections	16 AWG
LED Indicator	Yes
Dimensions	4.1" x 1.75" x 1.45"
Weight	0.25 lb.
Mounting	Standard J box
Input Power	120-230-277 VAC
Input Frequency	50/60Hz
Power Consumption	120VAC @ 3.4mA AC (160mW typical) 277VAC @ 3.6mA AC (420mW typical)
Operating Temperature	-40°F to 104°F

FCC COMPLIANCE STATEMENT:

Contains FCC ID: W7Z-ZICM357SP0

The enclosed device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (i.) This device may not cause harmful interference
- (ii.) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by Leviton could void the user's authority to operate this equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

INDUSTRY CANADA COMPLIANCE STATEMENT:

Contains IC: 8254A-ZICM357SP0. This device complies with Industry Canada license-exempt RSS standard(s). Operation

is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. IMPORTANT! Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This Class B digital apparatus complies with Canadian ICES-003.

Table 3 - Configuration Menu, Quick Start Programming

Notes	Requires lumina™ gateway - review all related gateway instructions before beginning. Idle Time Exit: no button presses for > 20 seconds will time out the menu and return to normal operation.
Mode 1: Enrolling Your Device In RF Network	
Enter Menu	Press and hold the bottom (off) button for > 10 seconds [Identified by the LED switching to an amber blinking]. (Mode 1 - One Blink - Enroll into RF Network).
Step 1	Review lumina™ gateway instructions, power up gateway and prepare network.
Step 2: Add Device	Press and hold bottom button for > 5 seconds to enroll into lumina™ RF network. [Start red blinking until complete (time out or press of bottom button) then return to Mode 1 - One Blink].
Step 3: Exit	Tap the top button.
Mode 1: Removing Your Device From RF Network	
Enter Menu	Press and hold the bottom (off) button for > 10 seconds [Identified by the LED switching to an amber blinking]. (Mode 1 - One Blink - Enroll into RF Network).
Step 1: Remove Device	Press and hold the top button for > 5 seconds to leave the network. [Start red blinking until complete (time out or press of bottom button) then return to Mode 1 - One Blink].
Step 3: Exit	Tap the top button.
Mode 4: Turn LED OFF/ON	
Enter Menu	Press and hold the bottom (off) button for > 10 seconds [Identified by the LED switching to an amber blinking]. (Mode 1 - One Blink - Enroll into RF Network).
Step 1	Tap bottom button 4 times to move into Four Blink (Mode 4 - LED Operation).
Step 2	Press and hold top button for > 5 seconds to toggle between always off (red blink) and normal locator operation (green blink).
Step 3: Exit	Tap the top button.

Table 4 - Configuration Menu: Reset to Factory Default Settings

Enter Menu	Pressing and holding the bottom (off) button for > 10 seconds [Identified by the LED switching to an amber blinking]. (Mode 1 - One Blink - Enroll into RF Network).
Step 1	Tap bottom button 4 times to move into Five Blink (Mode 5 - Reset to Factory Default).
Step 2	Press and hold bottom button for > 5 seconds to enter factory default pending mode. [Start red blinking until top button pressed to initiate - to cancel Factory Reset: press the bottom button or allow idle time out].
Step 3: Reset/Exit	Press and hold top button for > 5 seconds to complete the factory default reset process. [Stops the red blinking, cancel the menu and return to normal device operation when reset is complete].

NOTE: If your ZSS10 is not responding, or you are unable to control it after you have tried to Include/Exclude it multiple times, it may be necessary to reset the device to its original factory settings. To accomplish this, refer to the "Reset to Factory Default Settings" section of the instructions. Once the ZSS10 is reset, it will be necessary to Re-enroll it to a network before it can be used.

Future Use

Mode 2	Two Blink - RF Identify. Press and hold either top or bottom button for > 5 seconds to enter "60 second RF identify room devices". [Start red blinking until complete (time out or press of bottom button) then return to Mode 2 - Two Blink]. Tap bottom button to move into Three Blink (Mode 3 - RF Pairing, Link).
Mode 3	Three Blink - RF Pairing, Link. Press and hold bottom button for > 5 seconds to initiate a search for compatible room devices currently in the RF identify mode. [Start red blinking until complete (time out or press of bottom button) then return to Mode 3 - Three Blink]. Press and hold top button for > 5 seconds to clear out the list of paired devices. Tap bottom button to move into Four Blink (Mode 4 - Reset to Factory Default).

FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at **Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9** or by telephone at **1 800 405-5320**.

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LEVITON LIMITED WARRANTY

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that products manufactured by Leviton under the Leviton brand name ("Product") will be free from defects in material and workmanship for the time periods indicated below, whichever is shorter: • **OmniPro II and Lumina Pro:** three (3) years from installation or 42 months from manufacture date. • **OmniLT, Omni Ite, and Lumina:** two (2) years from installation or 30 months from manufacture date. • **Thermostats, Accessories:** two (2) years from installation or 30 months from manufacture date. • **Batteries:** Rechargeable batteries in products are warranted for ninety (90) days from date of purchase. **Note:** Primary (non-rechargeable) batteries shipped in products are not warranted. **Products with Windows® Operating Systems:** During the warranty period, Leviton will restore corrupted operating systems to factory default at no charge, provided that the product has been used as originally intended. Installation of non-Leviton software or modification of the operating system voids this warranty. Leviton's obligation under this Limited Warranty is limited to the repair or replacement, at Leviton's option, of Product that fails due to defect in material or workmanship. Leviton reserves the right to replace product under this Limited Warranty with new or remanufactured product. **Leviton will not be responsible for labor costs of removal or reinstallation of Product.** The repaired or replaced product is then warranted under the terms of this Limited Warranty for the remainder of the Limited Warranty time period or ninety (90) days, whichever is longer. This Limited Warranty does not cover PC-based software products. **Leviton is not responsible for conditions or applications beyond Leviton's control. Leviton is not responsible for issues related to improper installation, including failure to follow written Installation and operation instructions, normal wear and tear, catastrophe, fault or negligence of the user or other problems external to the Product.** To view complete warranty and instructions for returning product, please visit us at www.leviton.com.

ARTWORK PRINT SPECIFICATIONS

LEVITON®

PART NUMBER DI-XXX-ZSS10-00A

REV A

DESCRIPTION Instruction Sheet

SPECIFICATIONS :

Dimensions: 8.5" x 11"

* **Thickness:** 40 Lb.

* **Material:**

* **Finish:**

* **For manuals - designates cover specifications**

* **Color(s):** 1 over 1

1: Black

2: _____

3: _____

4: _____

☒ Spot

☐ CMYK

* **Fonts:**

1: Arial

2: _____

3: _____

4: _____

Die Line Key: — · · — Perforate

— Die Cut

- - - - - Fold Line

— · · — Kiss Cut

· · · · · Cellophane

==== Glue

MANUAL INTERIORS / BINDERY / FOLD SCHEME :

Body Material:

Thickness:

Bindery

☐ Die cut

☒ Fold

☐ Saddle Stitch

☐ Perfect Bind

☐ Drill

☐ Trim

Color(s): _____ over _____

1: _____

2: _____

3: _____

4: _____

☐ Spot

☐ CMYK

Fonts:

1: _____

2: _____

3: _____

4: _____

PROCESS :

☒ Offset

☐ Flexo

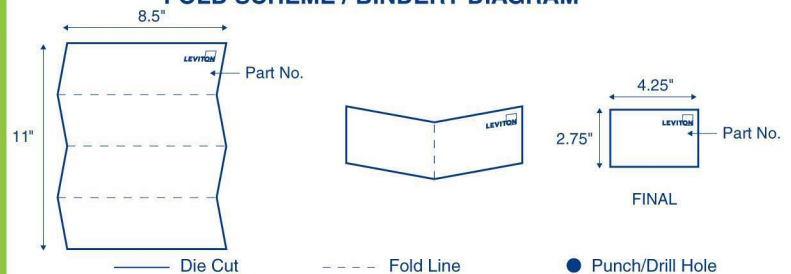
☐ Other

Line Screen:

Angle:

Resolution:

FOLD SCHEME / BINDERY DIAGRAM



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PN-ARN:

ECR Number:

Pilot Rev:

Artist: K.Allen

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Artwork Release Date: 09/04/2014

Notes: